FIG. 1

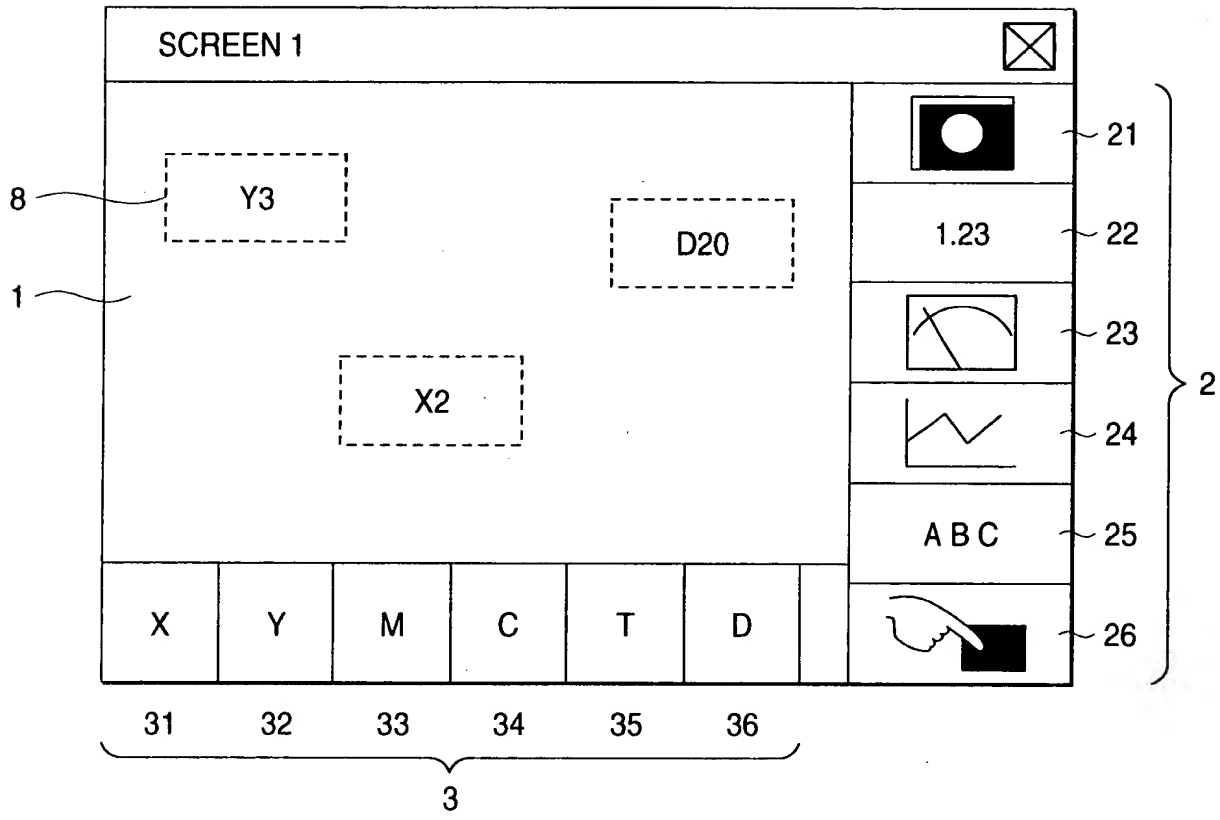

SCREEN 1
Y3
D20
X2
8
1
21
1.23
22
23
24
A B C
25
26
2
X
Y
M
C
T
D
31
32
33
34
35
36
3

FIG. 2

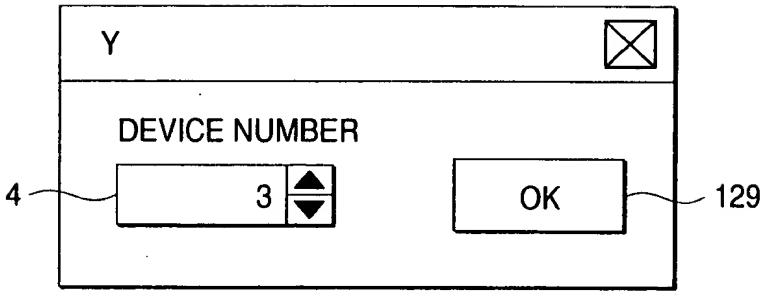

Y
DEVICE NUMBER
3
OK
4
129

FIG. 3

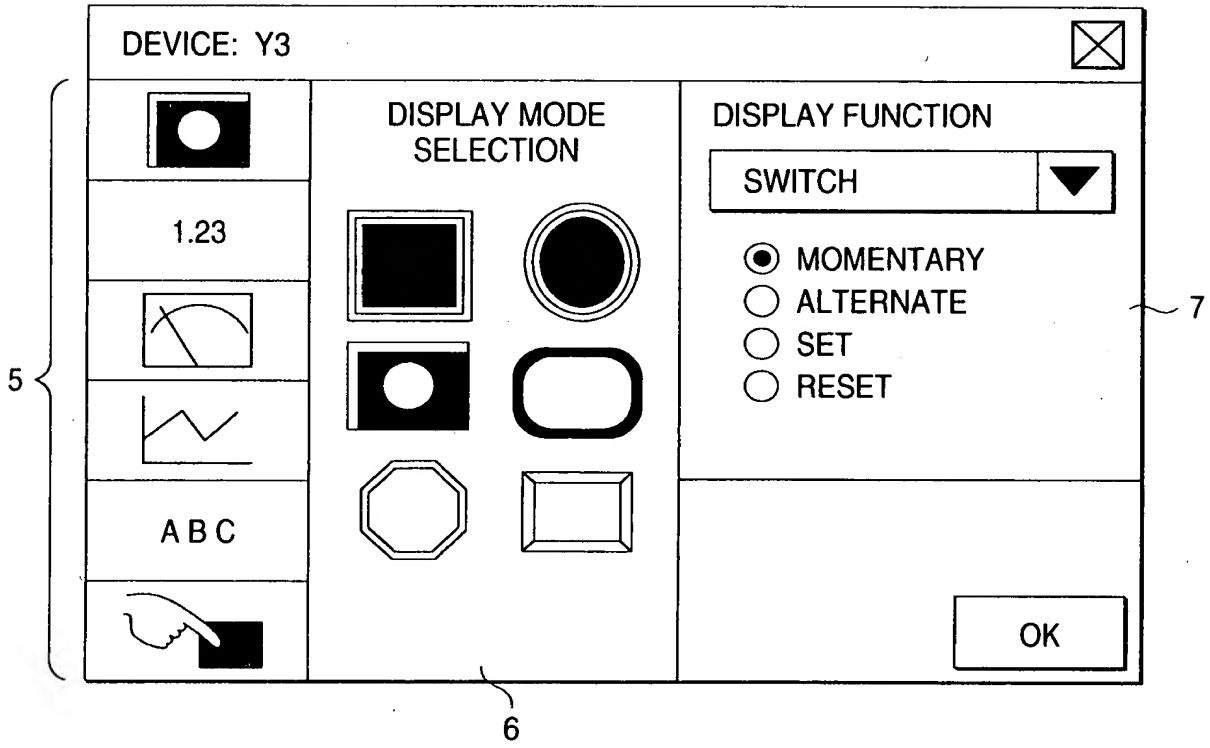

DEVICE: Y3
1.23
A B C
DISPLAY MODE SELECTION
DISPLAY FUNCTION
SWITCH
MOMENTARY
ALTERNATE
SET
RESET
OK
5
6
7

FIG. 4

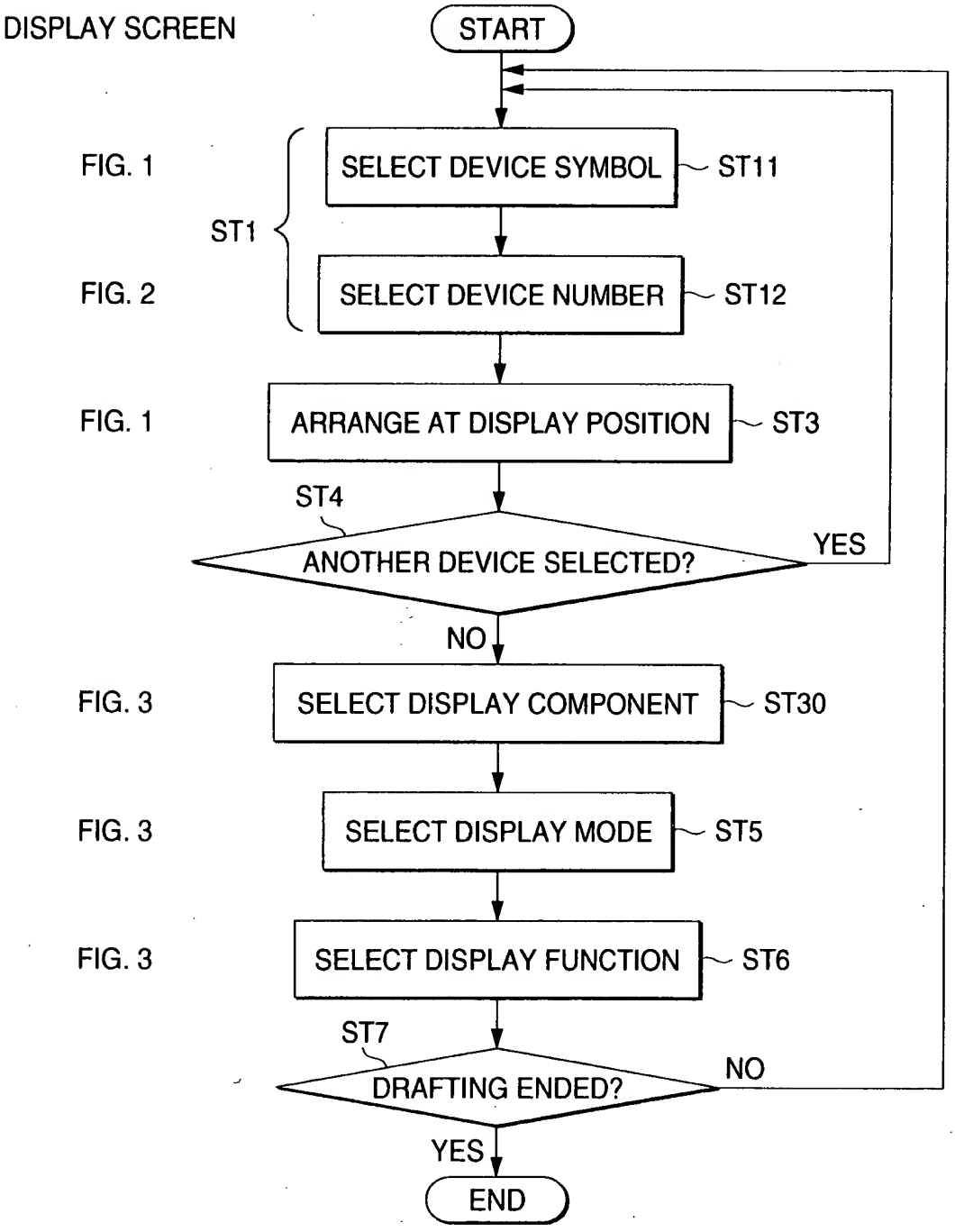

DISPLAY SCREEN
START
FIG. 1
SELECT DEVICE SYMBOL
ST11
ST1
FIG. 2
SELECT DEVICE NUMBER
ST12
FIG. 1
ARRANGE AT DISPLAY POSITION
ST3
ST4
ANOTHER DEVICE SELECTED?
YES
NO
FIG. 3
SELECT DISPLAY COMPONENT
ST30
FIG. 3
SELECT DISPLAY MODE
ST5
FIG. 3
SELECT DISPLAY FUNCTION
ST6
ST7
DRAFTING ENDED?
NO
YES
END

FIG. 5

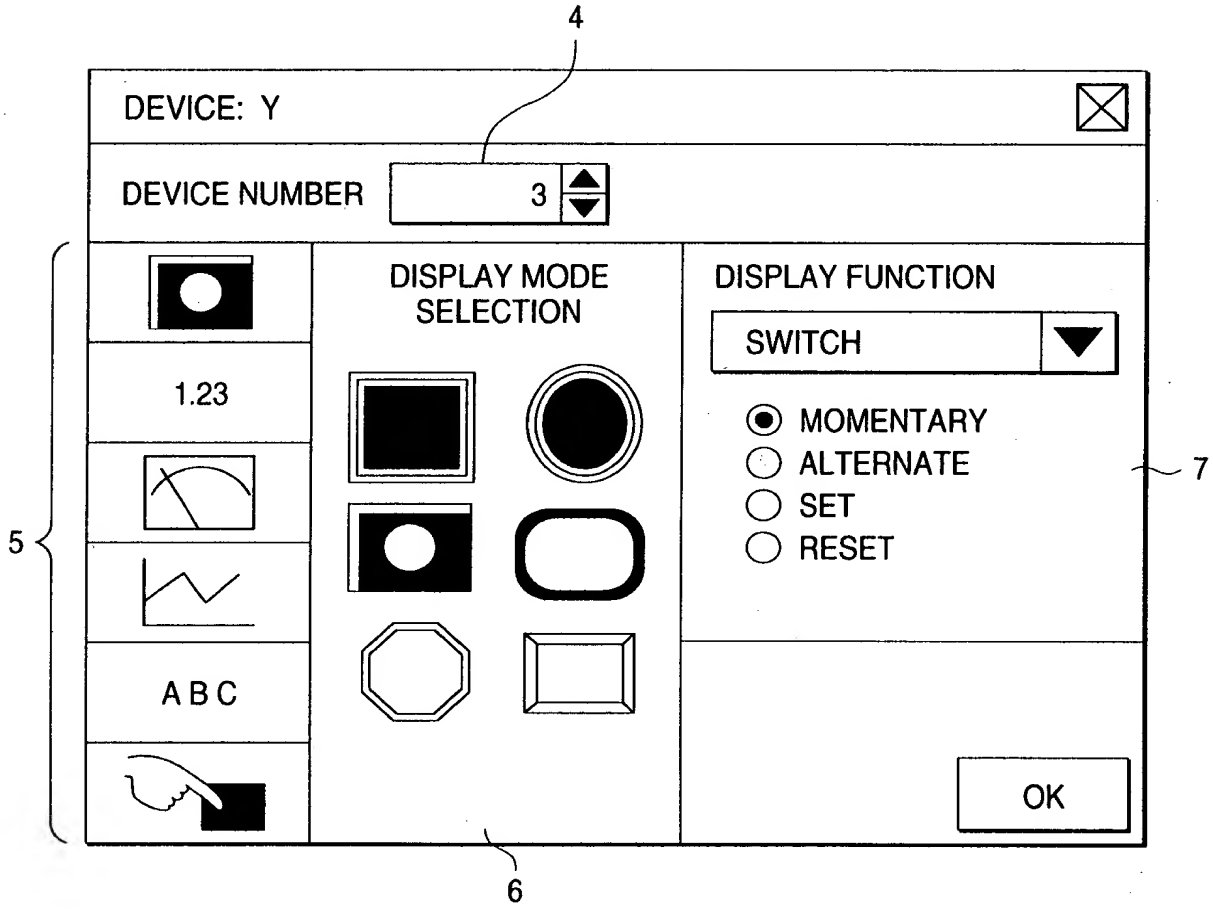

4
DEVICE: Y
DEVICE NUMBER
3
DISPLAY MODE SELECTION
DISPLAY FUNCTION
SWITCH
MOMENTARY
ALTERNATE
SET
RESET
1.23
A B C
OK
5
6
7

FIG. 6

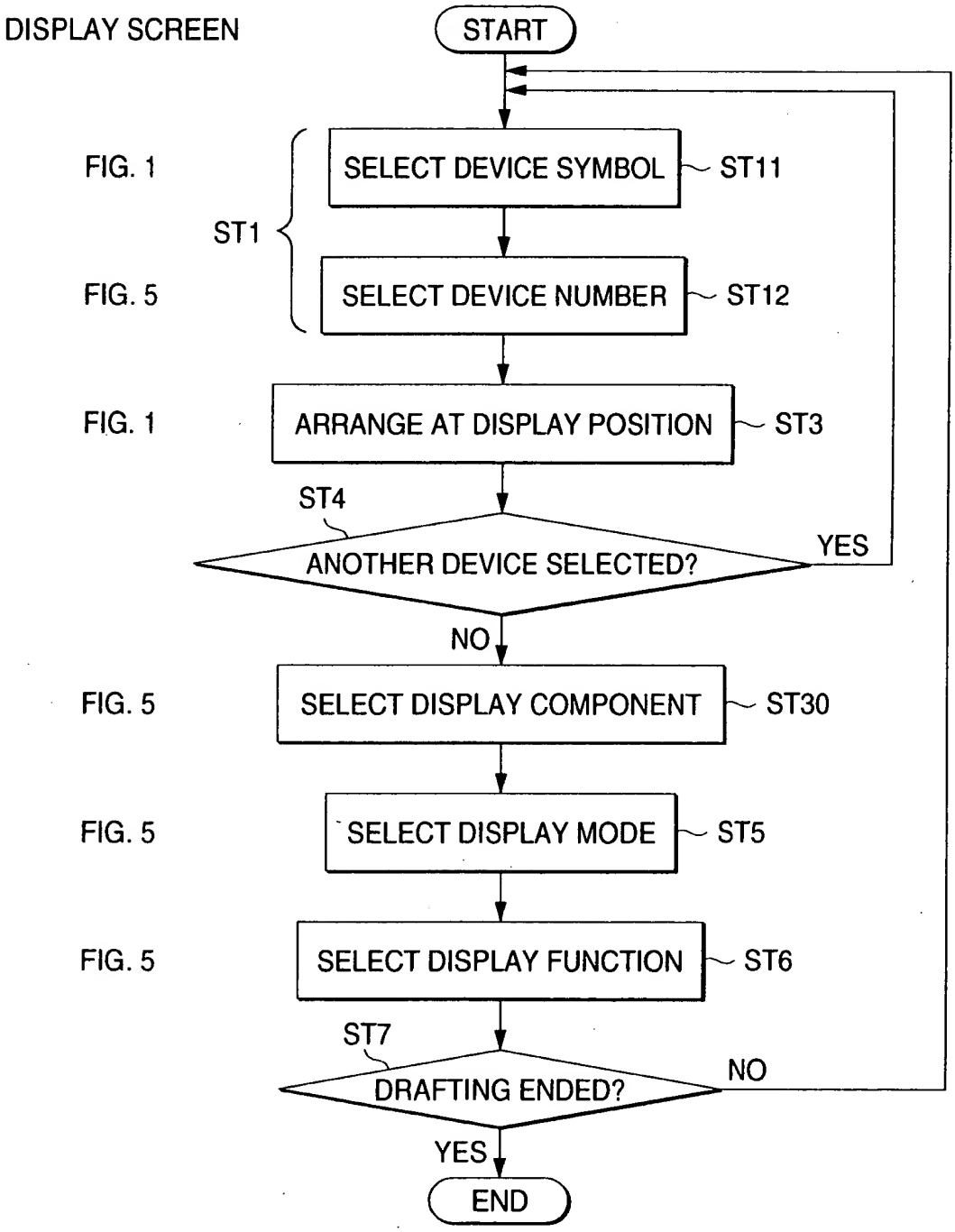

DISPLAY SCREEN
START
FIG. 1
SELECT DEVICE SYMBOL
ST11
ST1
FIG. 5
SELECT DEVICE NUMBER
ST12
FIG. 1
ARRANGE AT DISPLAY POSITION
ST3
ST4
ANOTHER DEVICE SELECTED?
YES
NO
FIG. 5
SELECT DISPLAY COMPONENT
ST30
FIG. 5
SELECT DISPLAY MODE
ST5
FIG. 5
SELECT DISPLAY FUNCTION
ST6
ST7
DRAFTING ENDED?
NO
YES
END

FIG. 7

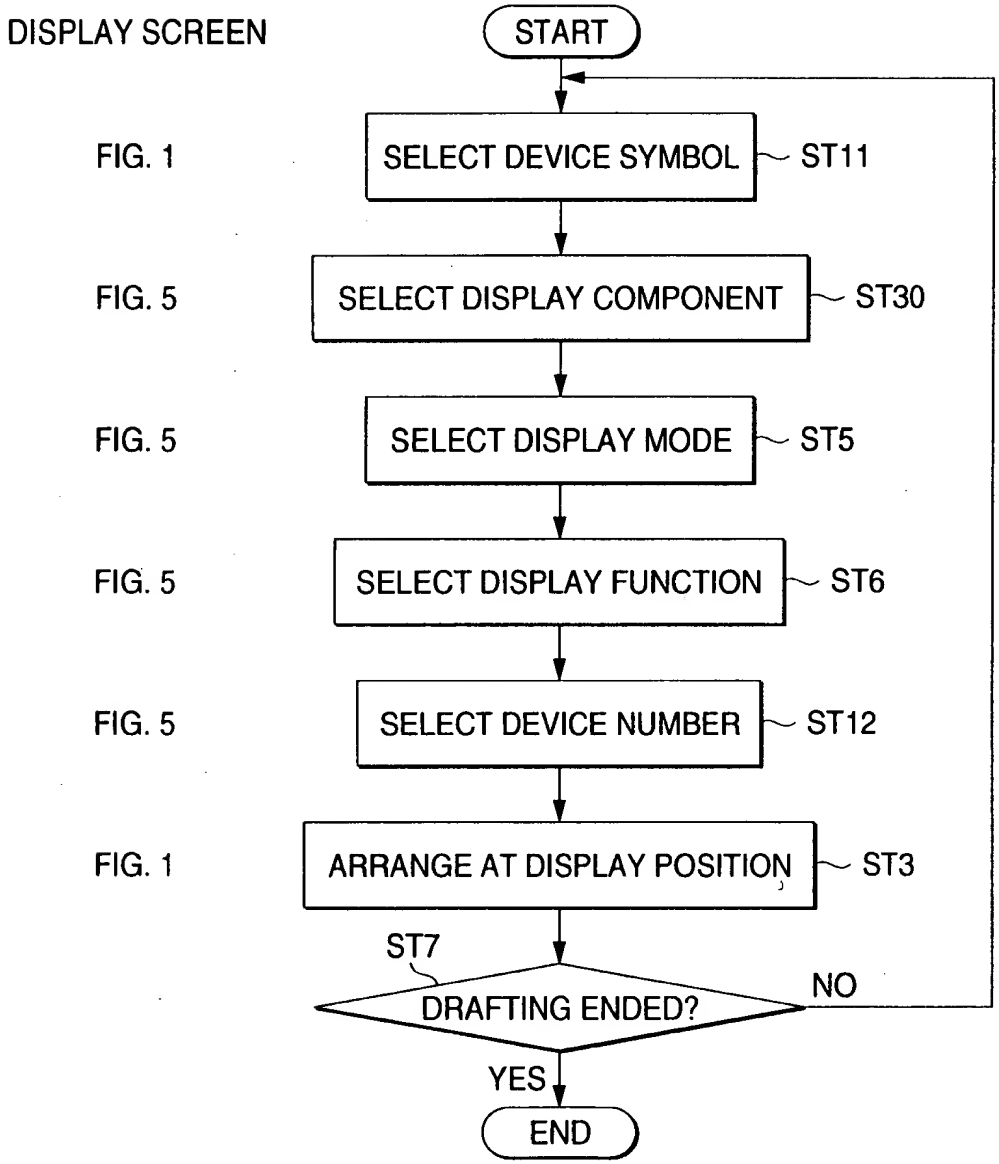

DISPLAY SCREEN
START
FIG. 1
SELECT DEVICE SYMBOL
ST11
FIG. 5
SELECT DISPLAY COMPONENT
ST30
FIG. 5
SELECT DISPLAY MODE
ST5
FIG. 5
SELECT DISPLAY FUNCTION
ST6
FIG. 5
SELECT DEVICE NUMBER
ST12
FIG. 1
ARRANGE AT DISPLAY POSITION
ST3
ST7
DRAFTING ENDED?
NO
YES
END

FIG. 8

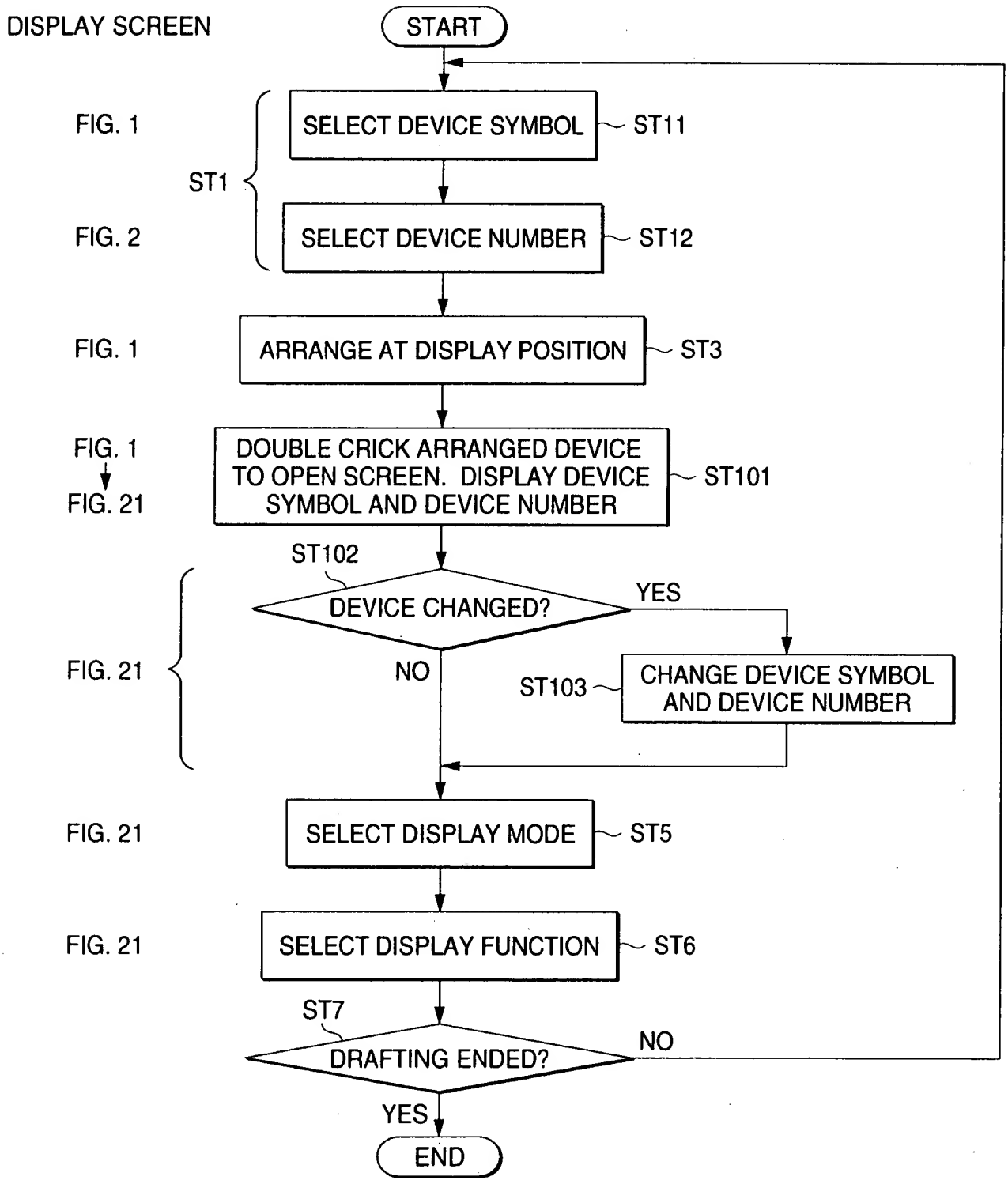

DISPLAY SCREEN
START
FIG. 1
SELECT DEVICE SYMBOL
ST11
ST1
FIG. 2
SELECT DEVICE NUMBER
ST12
FIG. 1
ARRANGE AT DISPLAY POSITION
ST3
FIG. 1
FIG. 21
DOUBLE CRICK ARRANGED DEVICE TO OPEN SCREEN. DISPLAY DEVICE SYMBOL AND DEVICE NUMBER
ST101
ST102
DEVICE CHANGED?
YES
NO
FIG. 21
ST103
CHANGE DEVICE SYMBOL AND DEVICE NUMBER
FIG. 21
SELECT DISPLAY MODE
ST5
FIG. 21
SELECT DISPLAY FUNCTION
ST6
ST7
DRAFTING ENDED?
NO
YES
END

FIG. 9

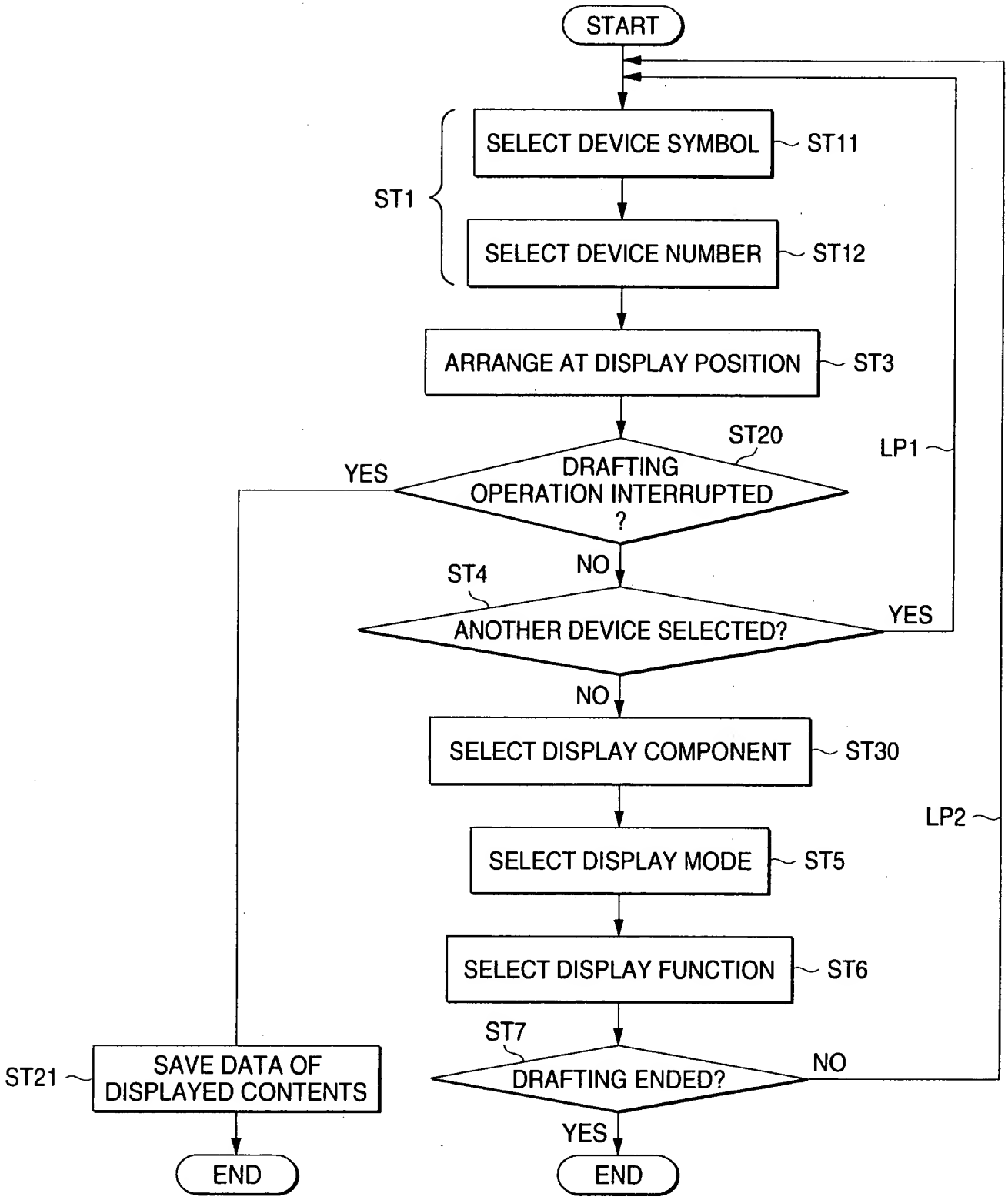

START
SELECT DEVICE SYMBOL
ST11
ST1
SELECT DEVICE NUMBER
ST12
ARRANGE AT DISPLAY POSITION
ST3
ST20
DRAFTING OPERATION INTERRUPTED ?
YES
LP1
NO
ST4
ANOTHER DEVICE SELECTED?
YES
NO
SELECT DISPLAY COMPONENT
ST30
LP2
SELECT DISPLAY MODE
ST5
SELECT DISPLAY FUNCTION
ST6
ST7
DRAFTING ENDED?
NO
YES
ST21
SAVE DATA OF DISPLAYED CONTENTS
END
END

FIG. 10

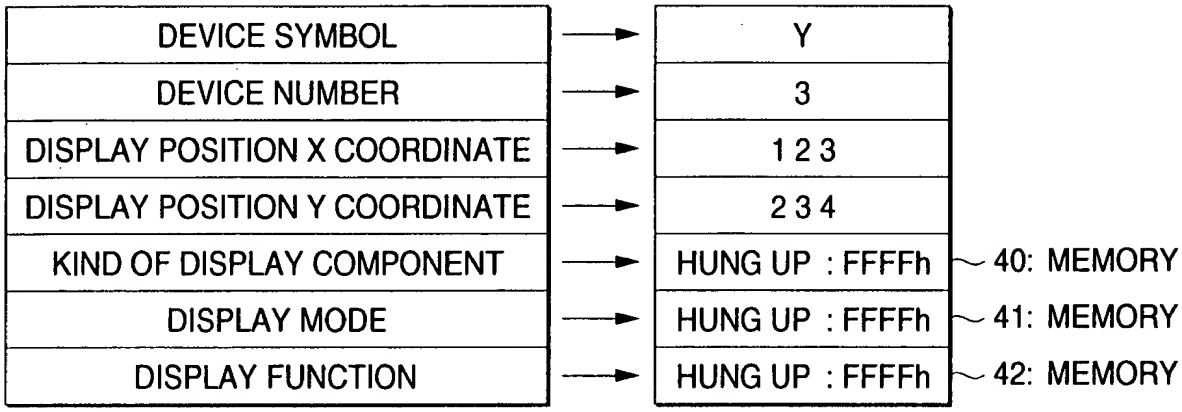

DEVICE SYMBOL
DEVICE NUMBER
DISPLAY POSITION X COORDINATE
DISPLAY POSITION Y COORDINATE
KIND OF DISPLAY COMPONENT
DISPLAY MODE
DISPLAY FUNCTION
Y
3
1 2 3
2 3 4
HUNG UP : FFFFh
HUNG UP : FFFFh
HUNG UP : FFFFh
40: MEMORY
41: MEMORY
42: MEMORY

FIG. 11

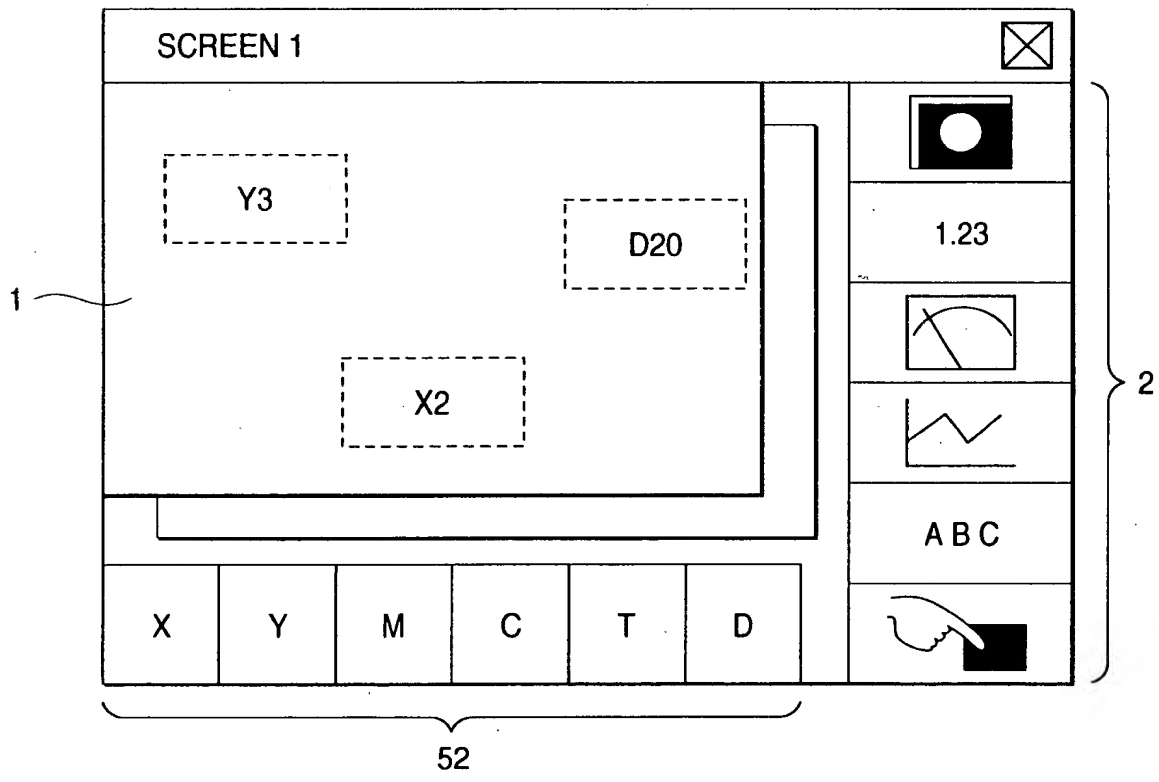

SCREEN 1
Y3
D20
X2
1
1.23
A B C
2
X
Y
M
C
T
D
52

FIG. 12

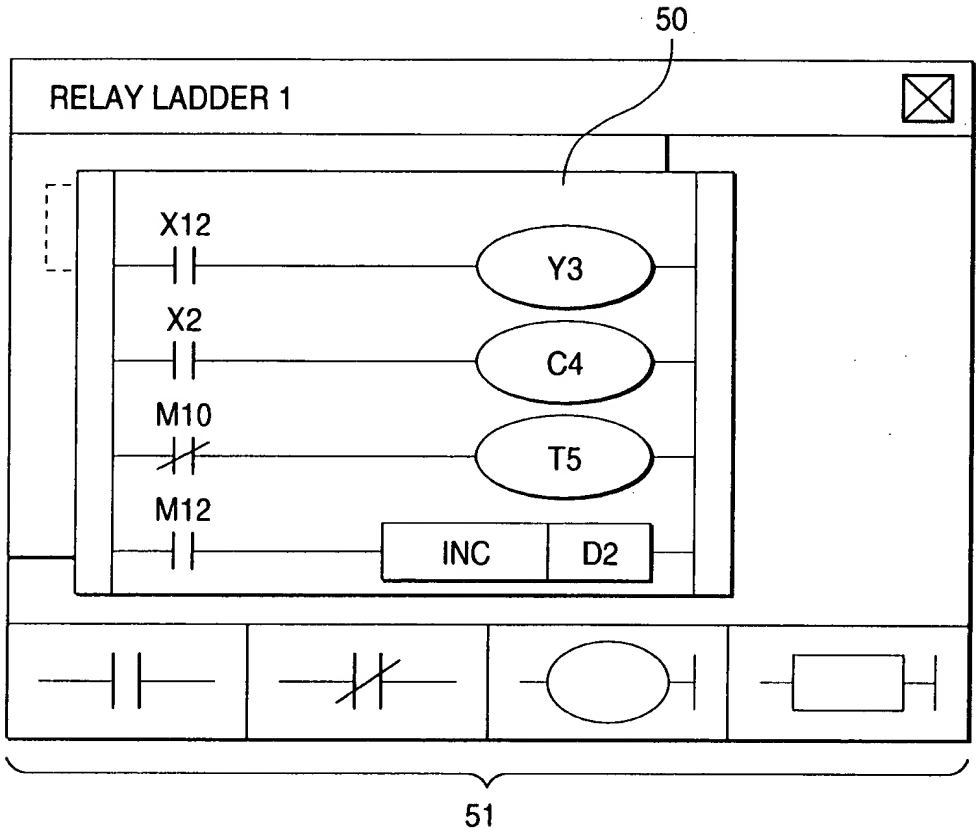

50
RELAY LADDER 1
X12
Y3
X2
C4
M10
T5
M12
INC
D2
51

FIG. 13

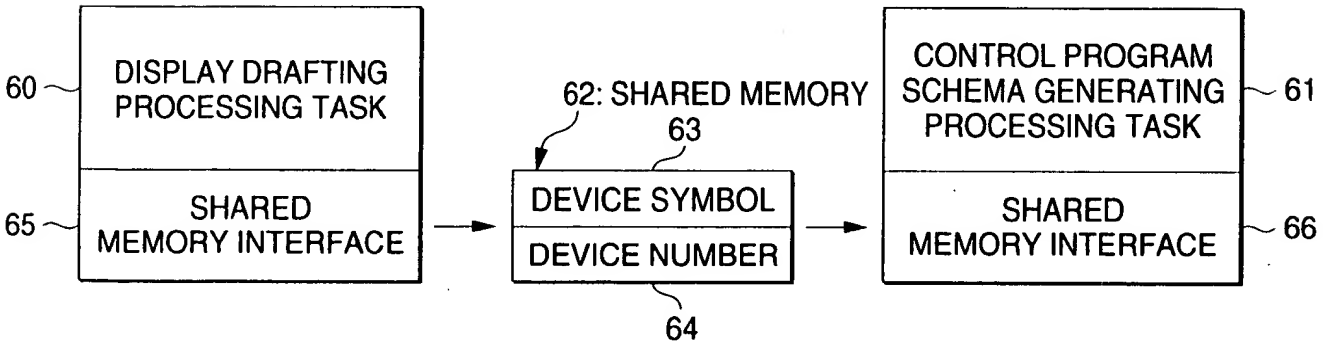

60
DISPLAY DRAFTING PROCESSING TASK
65
SHARED MEMORY INTERFACE
62: SHARED MEMORY
63
DEVICE SYMBOL
DEVICE NUMBER
64
CONTROL PROGRAM SCHEMA GENERATING PROCESSING TASK
61
SHARED MEMORY INTERFACE
66

FIG. 14

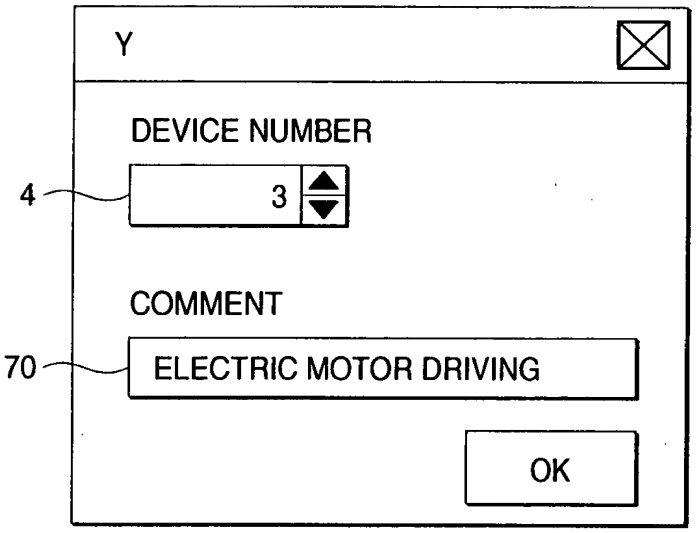

Y
DEVICE NUMBER
4
3
COMMENT
70
ELECTRIC MOTOR DRIVING
OK

FIG. 15

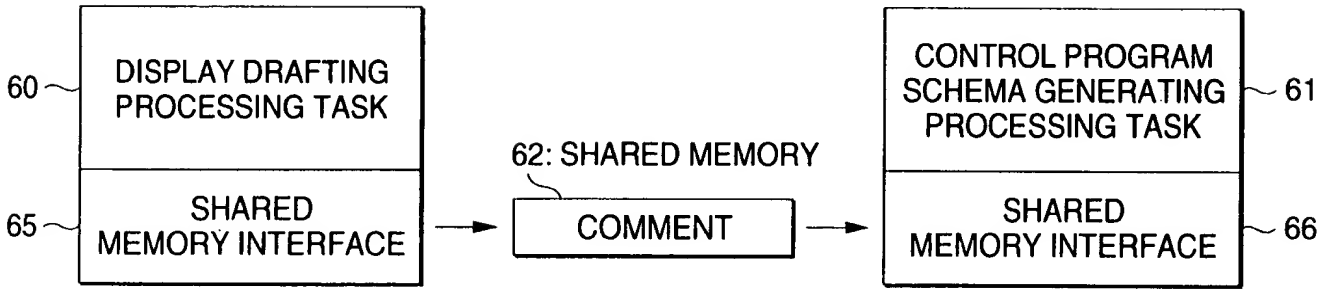

60
DISPLAY DRAFTING PROCESSING TASK
65
SHARED MEMORY INTERFACE
62: SHARED MEMORY
COMMENT
CONTROL PROGRAM SCHEMA GENERATING PROCESSING TASK
61
SHARED MEMORY INTERFACE
66

FIG. 16

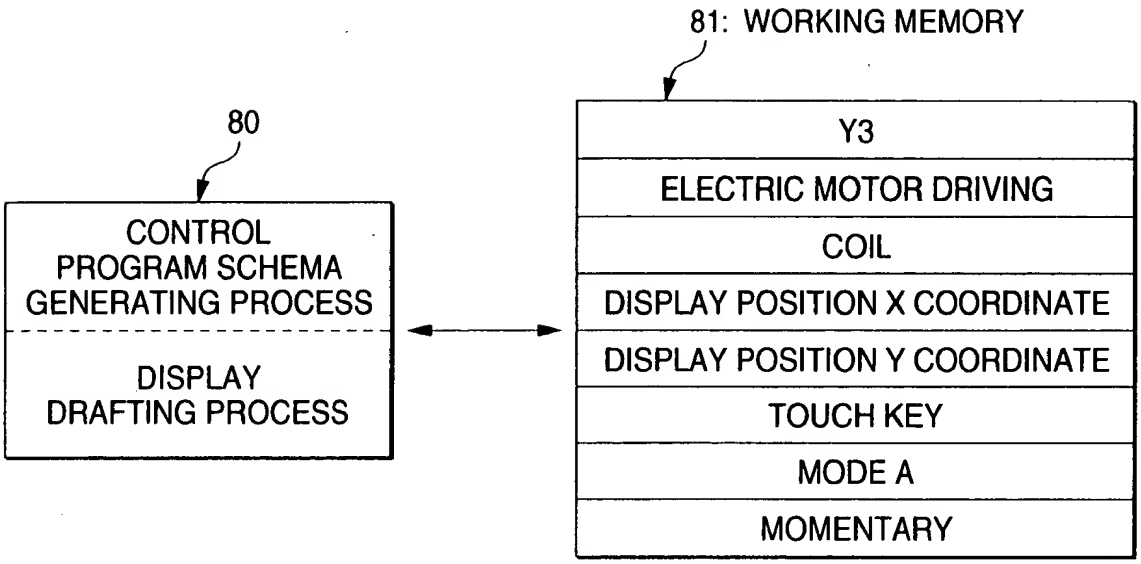


FIG. 17

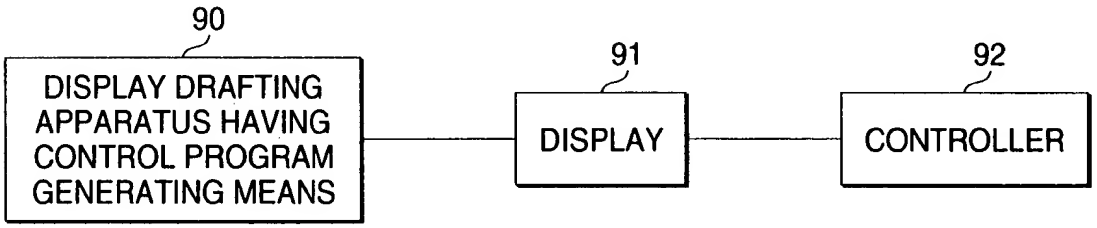


FIG. 18

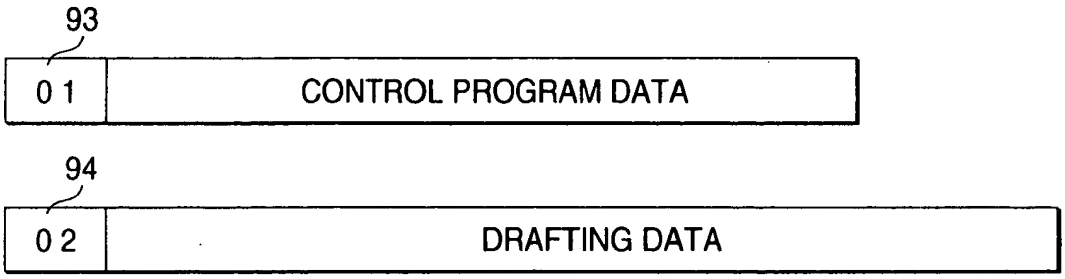


FIG. 19

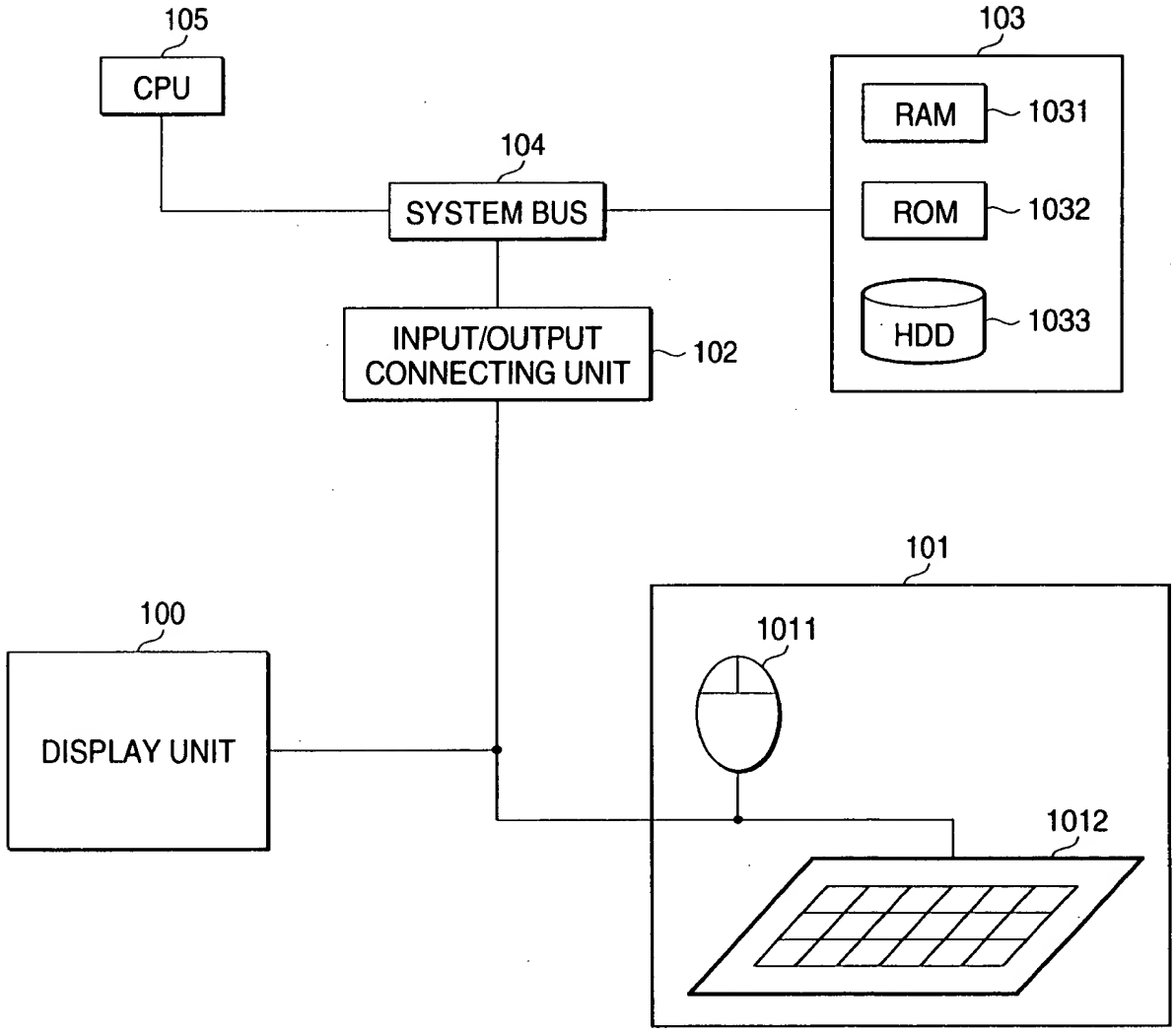

105
CPU
103
RAM
1031
104
SYSTEM BUS
ROM
1032
HDD
1033
INPUT/OUTPUT
CONNECTING UNIT
102
101
100
1011
DISPLAY UNIT
1012

FIG. 20

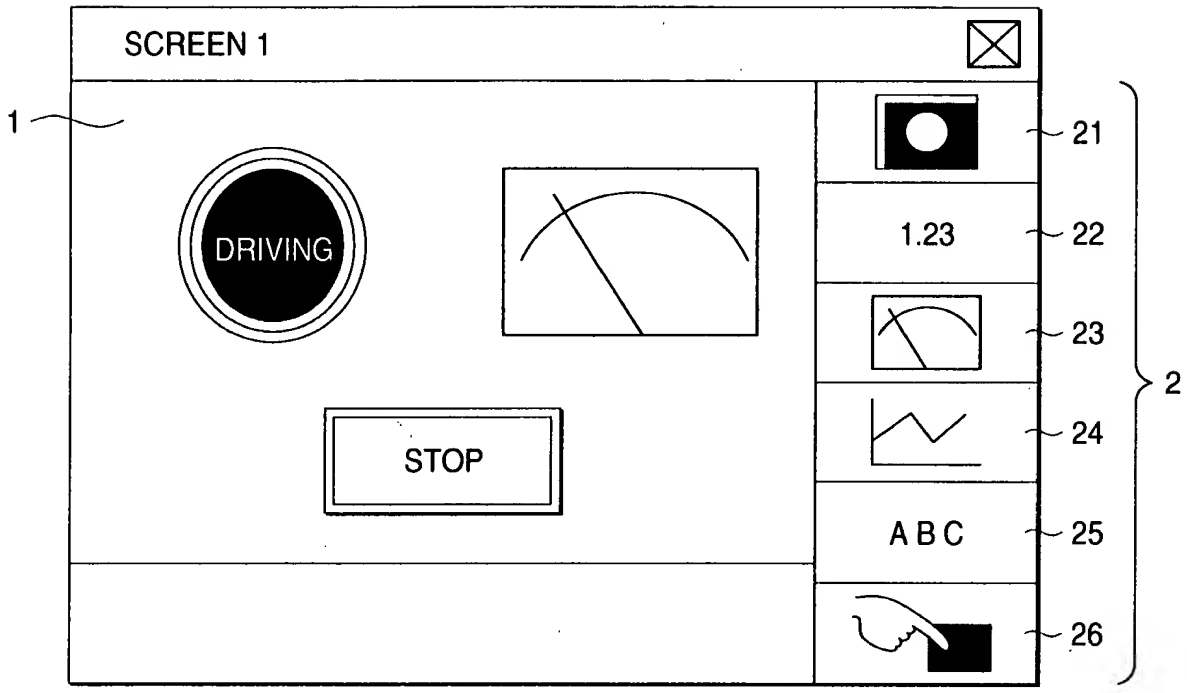

SCREEN 1
1
DRIVING
STOP
1.23
A B C
21
22
23
24
25
26
2

FIG. 21

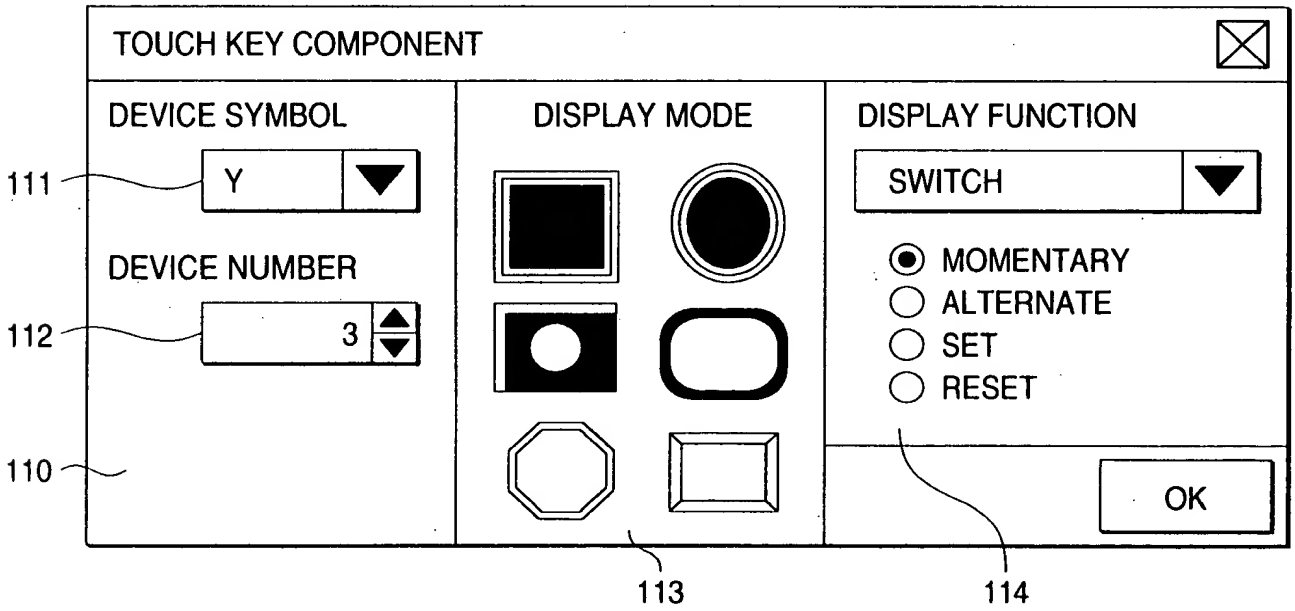

TOUCH KEY COMPONENT
DEVICE SYMBOL
Y
DEVICE NUMBER
3
DISPLAY MODE
DISPLAY FUNCTION
SWITCH
MOMENTARY
ALTERNATE
SET
RESET
OK
111
112
110
113
114

FIG. 22

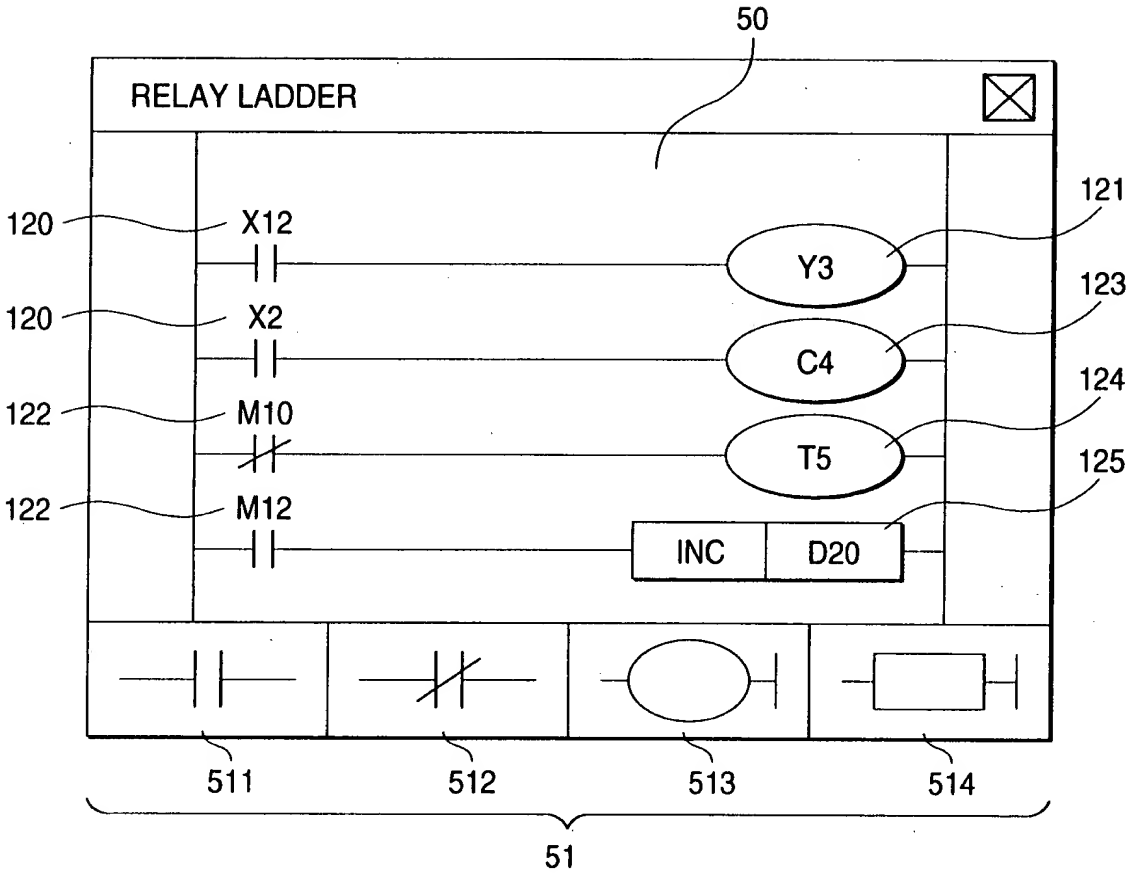

50
RELAY LADDER
120
X12
Y3
121
120
X2
C4
123
122
M10
T5
124
122
M12
INC
D20
125
511
512
513
514
51

FIG. 23

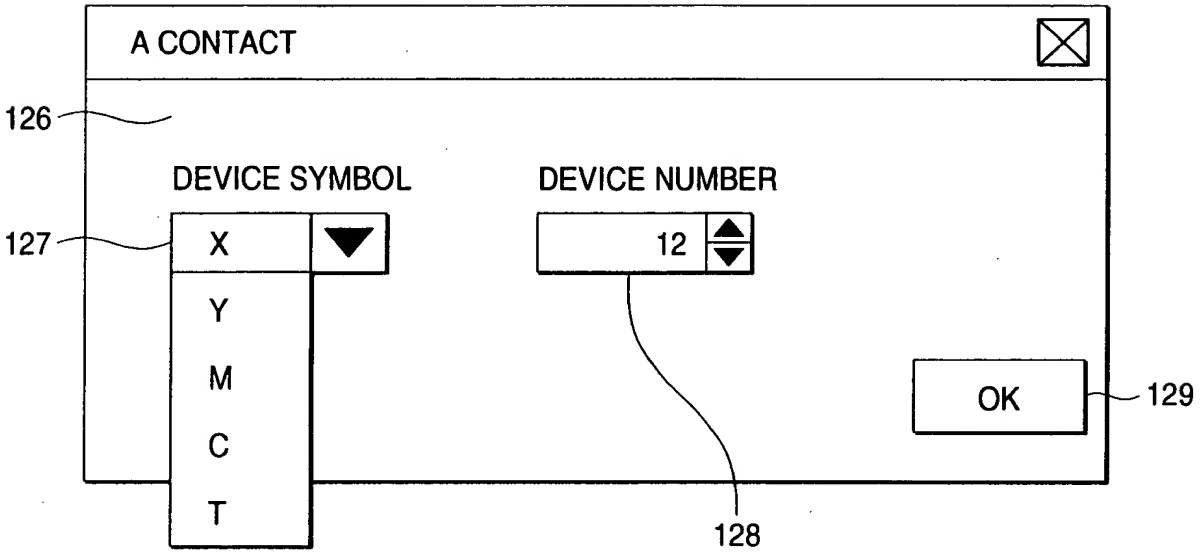

A CONTACT
126
DEVICE SYMBOL
DEVICE NUMBER
127
X
12
Y
M
C
T
OK
129
128

FIG. 24

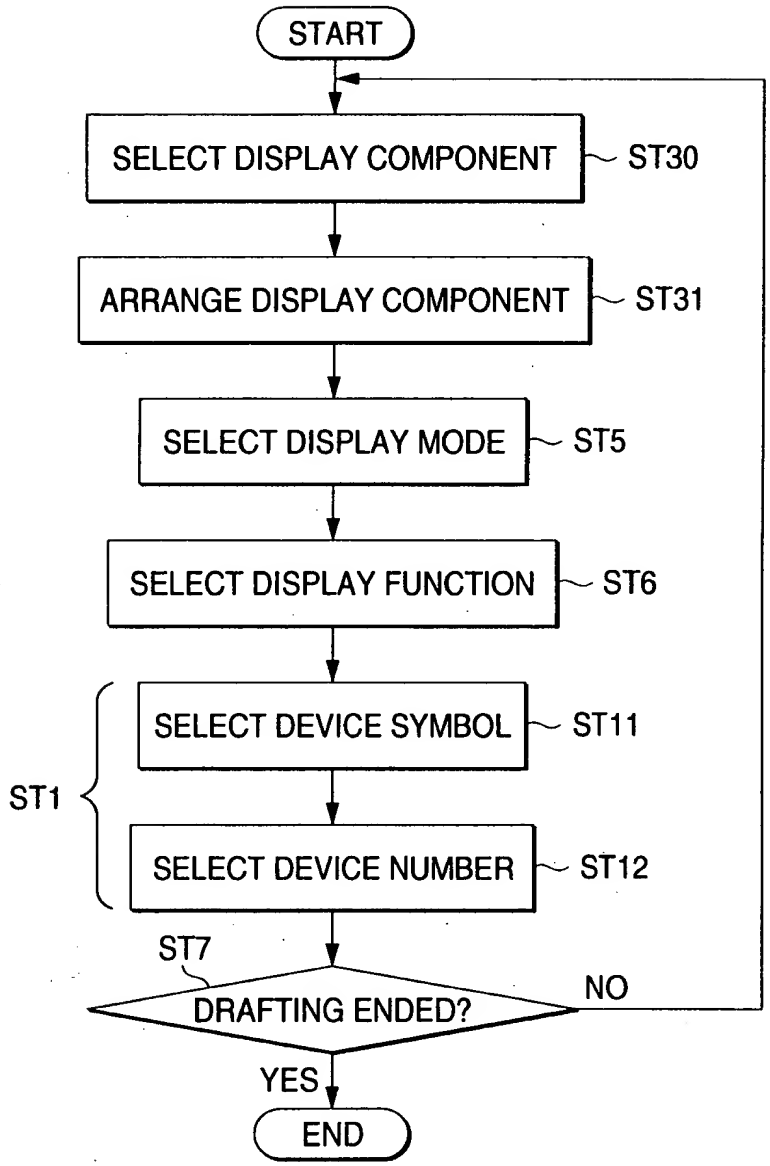
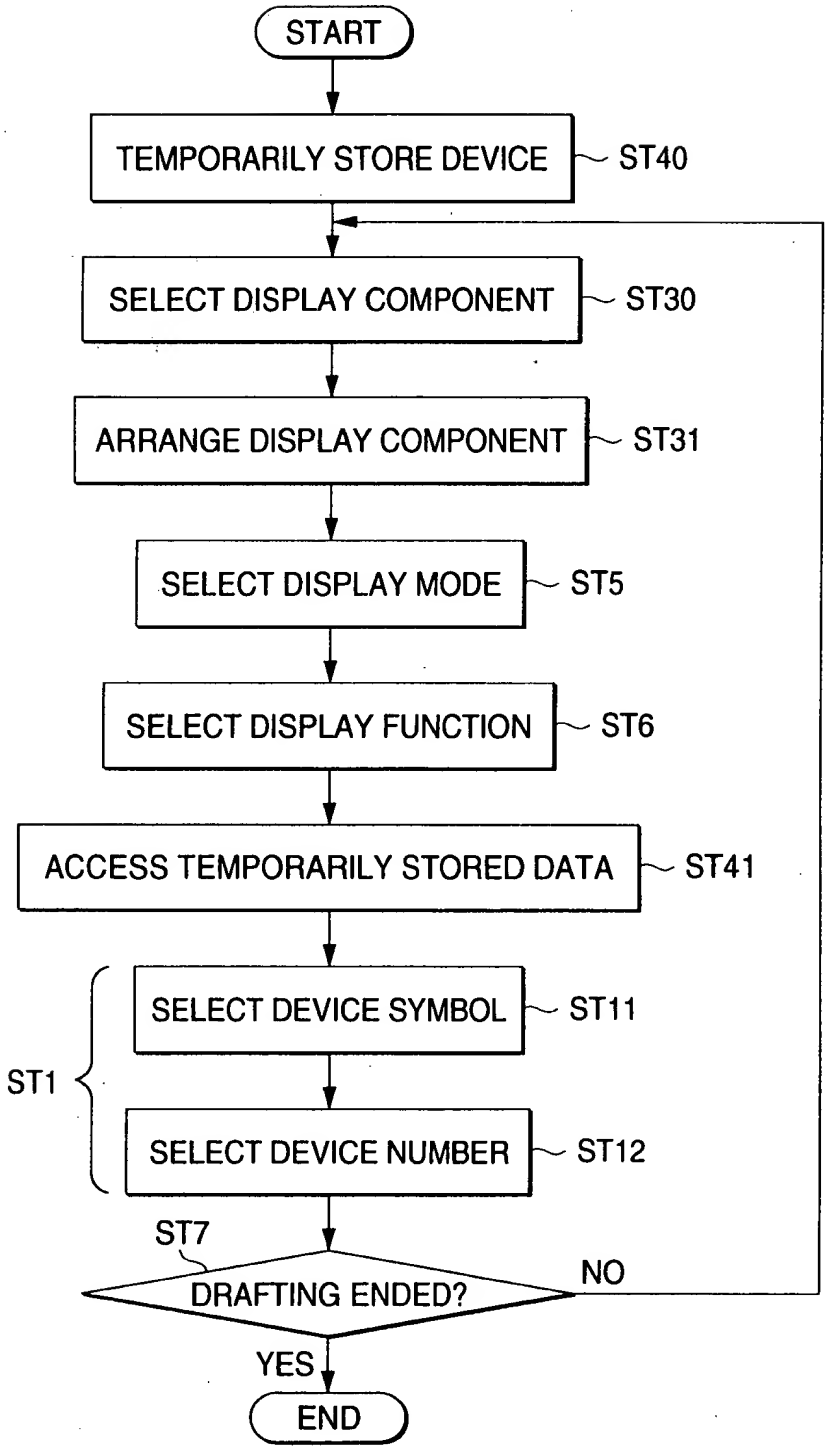

START
SELECT DISPLAY COMPONENT
ST30
ARRANGE DISPLAY COMPONENT
ST31
SELECT DISPLAY MODE
ST5
SELECT DISPLAY FUNCTION
ST6
ST1
SELECT DEVICE SYMBOL
ST11
SELECT DEVICE NUMBER
ST12
ST7
DRAFTING ENDED?
NO
YES
END

FIG. 25


START
TEMPORARILY STORE DEVICE
ST40
SELECT DISPLAY COMPONENT
ST30
ARRANGE DISPLAY COMPONENT
ST31
SELECT DISPLAY MODE
ST5
SELECT DISPLAY FUNCTION
ST6
ACCESS TEMPORARILY STORED DATA
ST41
SELECT DEVICE SYMBOL
ST11
ST1
SELECT DEVICE NUMBER
ST12
ST7
DRAFTING ENDED?
NO
YES
END